

In the Figures:

Please delete original Figures 1A-C and replace them with the substitute sheets of Figures 1 A-C submitted herewith at Tab 1. A marked-up version of original Figures 1A-C, showing the changes in red ink, is submitted herewith for the Examiner's reference, at Tab 2, pursuant to 37 C.F.R. § 1.121(a)(3)(ii).

Please cancel Figures 2A-B and 3.

In the Sequence Listing:

Please delete the Sequence Listing submitted on July 8, 1999, and insert in its place the Substitute Sequence Listing submitted herewith.

In the Claims:

Please cancel claims ~~2-20~~, without prejudice.

Please add new claims ~~21-97~~, as follows:

-- ~~21.~~ (New) An isolated polypeptide comprising an amino acid sequence selected from the group consisting of:

- (a) amino acids 1 to 381 of SEQ ID NO:2;
- (b) amino acids 2 to 381 of SEQ ID NO:2;
- (c) amino acids 25 to 381 of SEQ ID NO:2;
- (d) a polypeptide fragment of SEQ ID NO:2, wherein said fragment stimulates cellular proliferation; and
- (e) at least 30 contiguous amino acids of amino acids 1 to 381 of SEQ ID NO:2.

~~22.~~ (New) The polypeptide of claim ~~21~~, wherein said amino acid sequence is (a).

~~23.~~ (New) The polypeptide of claim ~~22~~ comprising an amino acid sequence heterologous to SEQ ID NO:2.

~~24.~~ (New) The polypeptide of claim ~~21~~, wherein said amino acid sequence is (b).

SUB D3 25. 26. (New) The polypeptide of claim 24 comprising an amino acid sequence heterologous to SEQ ID NO:2.

87 Rule 1.126 26. 27. (New) The polypeptide of claim 21, wherein said amino acid sequence is (c).

SUB D4 27. 28. (New) The polypeptide of claim 27 comprising an amino acid sequence heterologous to SEQ ID NO:2.

8. 28. 29. (New) The polypeptide of claim 21, wherein said amino acid sequence is (d).

SUB D5 29. 30. (New) The polypeptide of claim 29 comprising an amino acid sequence heterologous to SEQ ID NO:2.

B2 30. 31. (New) The polypeptide of claim 21, wherein said amino acid sequence is (e).

31. 32. (New) The polypeptide of claim 31 comprising an amino acid sequence heterologous to SEQ ID NO:2.

32. 33. (New) The polypeptide of claim 26, wherein said amino acid sequence is at least 50 contiguous amino acids of amino acids 1 to 381 of SEQ ID NO:2.

SUB D6 33. 34. (New) The polypeptide of claim 22 comprising an amino acid sequence heterologous to SEQ ID NO:2.

SUB 12 34. 35. (New) An isolated polypeptide comprising a first amino acid sequence that is at least 90% identical to a second amino acid sequence selected from the group consisting of:

- (a) amino acids 1 to 381 of SEQ ID NO:2;
- (b) amino acids 2 to 381 of SEQ ID NO:2;
- (c) amino acids 25 to 381 of SEQ ID NO:2;
- (d) a polypeptide fragment of SEQ ID NO:2, wherein said fragment stimulates cellular proliferation; and

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at least 30 contiguous amino acids of amino acids 1 to 381 of SEQ ID NO:2.

~~35.36.~~ (New) The polypeptide of claim ~~35~~, wherein said second amino acid sequence is (a).

~~36.37.~~ (New) The polypeptide of claim 36 comprising an amino acid sequence heterologous to SEQ ID NO:2.

~~38.38.~~ (New) The polypeptide of claim 36, wherein said first amino acid sequence is at least 95% identical to said second amino acid sequence.

~~38.39.~~ (New) The polypeptide of claim ~~38~~ comprising an amino acid sequence heterologous to SEQ ID NO:2.

~~39.40.~~ (New) The polypeptide of claim 35, wherein said second amino acid sequence is (b).

~~40.41.~~ (New) The polypeptide of claim 40 comprising an amino acid sequence heterologous to SEQ ID NO:2.

~~41.42.~~ (New) The polypeptide of claim 40, wherein said first amino acid sequence is at least 95% identical to said second amino acid sequence.

~~42.43.~~ (New) The polypeptide of claim 42 comprising an amino acid sequence heterologous to SEQ ID NO:2.

~~43.44.~~ (New) The polypeptide of claim 35, wherein said second amino acid sequence is (c).

~~44.45.~~ (New) The polypeptide of claim 44 comprising an amino acid sequence heterologous to SEQ ID NO:2.

~~45.46.~~ (New) The polypeptide of claim 44, wherein said first amino acid sequence is at least 95% identical to said second amino acid sequence.

~~46. 47.~~ (New) The polypeptide of claim 46 comprising an amino acid sequence heterologous to SEQ ID NO:2.

~~47. 48.~~ (New) The polypeptide of claim 35, wherein said second amino acid sequence is (d).

~~48. 49.~~ (New) The polypeptide of claim 48 comprising an amino acid sequence heterologous to SEQ ID NO:2.

~~49. 50.~~ (New) The polypeptide of claim 48 wherein said first amino acid sequence is at least 95% identical to said second amino acid sequence.

~~50. 51.~~ (New) The polypeptide of claim 50 contiguous comprising an amino acid sequence heterologous to SEQ ID NO:2.

~~51. 52.~~ (New) The polypeptide of claim 35, wherein said second amino acid sequence is (e).

~~52. 53.~~ (New) The polypeptide of claim 52 comprising an amino acid sequence heterologous to SEQ ID NO:2.

~~53. 54.~~ (New) The polypeptide of claim 52, wherein said first amino acid sequence is at least 95% identical to said second amino acid sequence.

~~54. 55.~~ (New) The polypeptide of claim 54 comprising an amino acid sequence heterologous to SEQ ID NO:2.

~~55. 56.~~ (New) The polypeptide of claim 52 wherein said second amino acid sequence is at least 50 contiguous amino acids of amino acids 1 to 381 of SEQ ID NO:2.

~~56. 57.~~ (New) The polypeptide of claim 56 comprising an amino acid sequence heterologous to SEQ ID NO:2.

~~57. 58.~~ (New) The polypeptide of claim 56, wherein said first amino acid sequence is at least 95% identical to said second amino acid sequence.

~~58.59.~~ (New) The polypeptide of claim ~~58~~⁵⁹ comprising an amino acid sequence heterologous to SEQ ID NO:2.

~~59.60.~~ (New) An isolated polypeptide comprising an amino acid sequence selected from the group consisting of:

- ~~(a) the amino acid sequence of the full-length polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804;~~
- ~~(b) the amino acid sequence of the full-length polypeptide, lacking the N-terminal methionine, encoded by the human cDNA contained ATCC Deposit Number 75804;~~
- ~~(c) the amino acid sequence of the mature polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804;~~
- ~~(d) a polypeptide fragment of the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804, wherein said fragment stimulates cellular proliferation; and~~
- ~~(e) at least 30 contiguous amino acids of the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.~~

~~60.61.~~ (New) The polypeptide of claim ~~60~~⁵⁹, wherein said amino acid sequence is (a).

~~61.62.~~ (New) The polypeptide of claim ~~61~~⁶⁰ comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

~~62.63.~~ (New) The polypeptide of claim ~~62~~⁵⁹, wherein said amino acid sequence is (b).

~~63.64.~~ (New) The polypeptide of claim ~~63~~⁶² comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

~~64.65.~~ (New) The polypeptide of claim ~~64~~⁶³, wherein said amino acid sequence is (c).

~~65.66.~~ (New) The polypeptide of claim ~~65~~⁶⁴ comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

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66. ~~67~~. (New) The polypeptide of claim 60, wherein said amino acid sequence is (d).

67. ~~68~~. (New) The polypeptide of claim 67 comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

68. ~~69~~. (New) The polypeptide of claim 60, wherein said amino acid sequence is (e).

69. ~~70~~. (New) The polypeptide of claim 69 comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

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70. ~~71~~. (New) The polypeptide of claim 69, wherein said amino acid sequence is at least 50 contiguous amino acids of the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

71. ~~72~~. (New) The polypeptide of claim 71 comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

SUB 14
72. ~~73~~. (New) An isolated polypeptide comprising a first amino acid sequence that is at least 90% identical to a second amino acid sequence selected from the group consisting of:

(a) the amino acid sequence of the full-length polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804;

(b) the amino acid sequence of the full-length polypeptide, lacking the N-terminal methionine, encoded by the human cDNA contained ATCC Deposit Number 75804;

(c) the amino acid sequence of the mature polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804;

(d) a polypeptide fragment of the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804, wherein said fragment stimulates cellular proliferation; and

(e) at least 30 contiguous amino acids of the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

SUB 14
73. ~~74~~. (New) The polypeptide of claim 73, wherein said second amino acid sequence is (a).

SUB D14 74. 75. (New) The polypeptide of claim 74 comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

75. 76. (New) The polypeptide of claim 74, wherein said first amino acid sequence is at least 95% identical to said second amino acid sequence.

76. 77. (New) The polypeptide of claim 76 comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

SUB D15 77. 78. (New) The polypeptide of claim 73, wherein said second amino acid sequence is (b).

78. 79. (New) The polypeptide of claim 78 comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

79. 80. (New) The polypeptide of claim 78, wherein said first amino acid sequence is at least 95% identical to said second amino acid sequence.

80. 81. (New) The polypeptide of claim 80 comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

SUB D16 81. 82. (New) The polypeptide of claim 73, wherein said second amino acid sequence is (c).

82. 83. (New) The polypeptide of claim 82 comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

83. 84. (New) The polypeptide of claim 82, wherein said first amino acid sequence is at least 95% identical to said second amino acid sequence.

84. 85. (New) The polypeptide of claim 84 comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

SUB D17 85. 86. (New) The polypeptide of claim 73, wherein said second amino acid sequence is (d).

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D 17
86. 87. (New) The polypeptide of claim 86 comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

87. 88. (New) The polypeptide of claim 86, wherein said first amino acid sequence is at least 95% identical to said second amino acid sequence.

88. 89. (New) The polypeptide of claim 88 comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

89. 90. (New) The polypeptide of claim 89, wherein said second amino acid sequence is (e).

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90. 91. (New) The polypeptide of claim 90 comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

91. 92. (New) The polypeptide of claim 91, wherein said first amino acid sequence is at least 95% identical to said second amino acid sequence.

92. 93. (New) The polypeptide of claim 92 comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

93. 94. (New) The polypeptide of claim 93, wherein said second amino acid sequence is at least 50 contiguous amino acids of the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

94. 95. (New) The polypeptide of claim 94 comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.

95. 96. (New) The polypeptide of claim 95, wherein said first amino acid sequence is at least 95% identical to said second amino acid sequence.

96. 97. (New) The polypeptide of claim 96 comprising an amino acid sequence heterologous to the polypeptide encoded by the human cDNA contained ATCC Deposit Number 75804.